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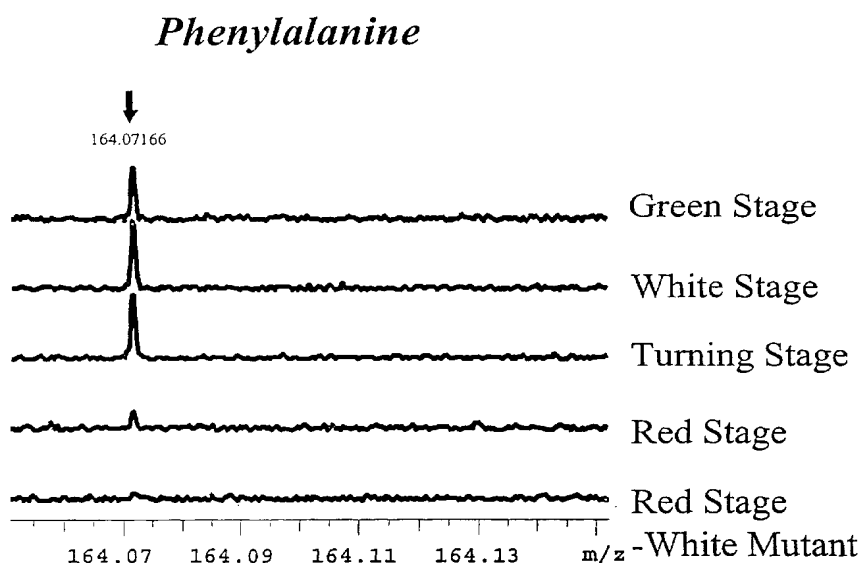
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[Continued on next page]

(54) Title: METHOD OF NON-TARGETED COMPLEX SAMPLE ANALYSIS



(57) **Abstract:** A method for non-targeted complex sample analysis which involves the following steps. A first step involves providing a database (16) containing identifying data of known molecules. A second step involves introducing a complex sample containing multiple unidentified molecules into a Fourier Transform Ion Cyclotron Mass Spectrometer (12) to obtain data regarding the molecules in the complex sample. A third step involves comparing the collected data regarding the molecules in the complex sample with the identifying data of known molecules in order to arrive at an identification through comparison of the molecules in the sample.



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27 June 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 00 77712 A (ERIKSSON JAN ; CHAIT BRIAN T (US); FENYOE DAVID (US); UNIV ROCKEFEL) 21 December 2000 (2000-12-21) abstract; claim 1; figure 13	1-25
A	R.N. TRETHEWEY ET AL: "Metabolic profiling: a Rosetta Stone for genomics?" CURRENT OPINION IN PLANT BIOLOGY, vol. 2, 1999, pages 83-85, XP001058379 the whole document	1-25

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *G* document member of the same patent family

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 01/00111

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>SHINKA T ET AL: "Urine screening of five-day-old newborns: metabolic profiling of neonatal galactosuria"</p> <p>JOURNAL OF CHROMATOGRAPHY B: BIOMEDICAL APPLICATIONS, ELSEVIER SCIENCE PUBLISHERS, NL,</p> <p>vol. 732, no. 2,</p> <p>24 September 1999 (1999-09-24), pages 469-477, XP004181089</p> <p>ISSN: 0378-4347</p> <p>abstract</p> <p style="text-align: center;">---</p>	1-25
A	<p>DARIUS J: "On-column gas chromatographic-mass spectrometric assay for metabolic profiling of valproate in brain tissue and serum"</p> <p>JOURNAL OF CHROMATOGRAPHY B: BIOMEDICAL APPLICATIONS, ELSEVIER SCIENCE PUBLISHERS, NL,</p> <p>vol. 682, no. 1,</p> <p>28 February 1996 (1996-02-28), pages 67-72, XP004044109</p> <p>ISSN: 0378-4347</p> <p style="text-align: center;">-----</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0077712	A	21-12-2000	WO	0077712 A1	21-12-2000